	er ID 71867 13, 2011 11:02:18 AM	,								Page 1
Revision ID:	D3407-1	A	Accept				S	etup Sta		
	Stem 7/14/2011			Cust Item II Customer:	D:			Sto		
Approvals:	Process Plan: MUE QC:	Date: -07-13			te:		R	tun Sta		
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr									
D3407	Rev E								*	
Doosan Lathe	DOOSAN LATHE Memo 1-Turn as pe	r Folio FA596 Rev W &	0.00 0.00 Dwg D3407 Rev: <u>E</u> = 2				10	ø		,
QC Quality Control	QC2- Inspect parts off ma		0.00 0.00 11/1/6	20			10	_ \$	- · · · · · · · · · · · · · · · · · · ·	
120 QC	QC8- Inspect parts - seco	nd check	0.00 0.00 B.A.	107/21			10	_ ø		

Quality Control

	. Johass									
W/O:			W	ORK ORDER C	HANGES			-		
DATE	STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No		PAR #:								
	R	esolution:	Disposition	on:	QA	: N/C Cld	sed:		Date: _	
NCR:			WORK ORE	ER NON-CON	FORMANCI	E (NCR)			
	STEP	Description of NC				ction B Veri			Approval	Approval
DAIL	SIEF	Section A	Initial Chief Eng	Action Desc Chief En		Sign & Date	Secti		Chief Eng	QC Inspector
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						i				

Work Order ID 71867

Wednesday, July 13, 2011 11:02:18 AM



Page 2

Item ID:

D3407-1

Accept

Setup Start

Stop



Revision ID:

Start Date:

Item Name:

Stem

7/14/2011

Start Qty: 20.00

Req'd Qty: 20.00

Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Tool # Plan

Code

Run



Required Date: 7/28/2011

QC:

Date: _____

SPC (Y/N):

Set Up/

Run Hours

Date:

Stop

Reject

Start

Sequence ID/

Work Center ID

130

Packaging

Packaging

Operation Description

Identify as per dwg & Stock Location: WA

0.00

0.00

Accept

Qty

Reject Number Stamp

140

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

Memo

0.00

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W/O: WORK ORDER					ANGES		1 18 818 1 181					
DATE	STEP	PRO	OCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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		esolution:	Disposition	n:	QA	: N/C Cle	osed:		Date: _			
NCR:		1	WORK ORD	ER NON-CONFO	RMANCE	(NCR)					
DATE	STEP	Description of NC Section A	Initial	Corrective Action Action Descrip	Section B	Sign &	Verific Secti		Approval Chief Eng	Approval QC inspector		
		Section A	Chief Eng	Chief Eng		Date	Secu	on C	Chief Eng	QC Inspector		
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Picklist Print

Wednesday, July 13, 2011 11:02:15 AM

Work Order ID: 71867

Parent Item:

D3407-1

Parent Item Name: Stem



Start Date: 7/14/2011

Required Date: 7/28/2011

Page 1

Start Qty: 20.00

Required Qty: 20.00

Comments:

IPP Rev:A□05.10.18□New issue□KJ/EC

IPP Rev:B Now on Doosan 08-05-14 JLM Verified By:DD

IPP Rev:C 08-08-12 revE as per dwg (ecn 08-507) DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Primary Item Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status	•
M174R0.750		Purchased	No		100	f	6.4650	0.366	7.705263	11/	12/	20	_

17-4 round bar .750

Location Loc Qty Loc Code MAT030 6.465 117683 6.465

-411710	oopaoc								
W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	CEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				-					
Part No		PAR #:							
	R	esolution:	Disposition	:	_ QA: N/C C	losed:		Date: _	.
NCR:		V	WORK ORDE	R NON-CONFORMA	NCE (NC	R)			
DATE	OTED	Description of NC		Corrective Action Section		Verific	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Secti		Chief Eng	QC Inspector
		·							

DART AEROSPACE LTD	Work Order:	71867
Description: Tow Ring	Part Number:	D3407-1
Inspection Dwg: D3407 Rev: E		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X	First Article	Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.063	+/-0.010	063			8-12	
1/4-28 UNF	Max: 0.2668 Min: 0.2635	264			2-47	
Major Ø	Max: 0.249 Min: 0.2425	.246				
Ø0.625	+/-0.010	0,625				
Ø0.363	+/-0.010	0.363				
Ø0.750	+/-0.010	0,749				
R0.100	+/-0.010	2.100		-	R.C.	
0.470	+/-0.010	410	//		7.05	
0.500	+/-0.010	2003				
3.250	+/-0.010	3250				
4.250	+0.000/-0.010	4.247				•
5.270	+/-0.010	5,273				
0.150	+/-0.010	150			1	
0.550	+/-0.010	.530				
0.625	+/-0.010	1617				
0.250	+0.010/-0.000	-254				
						•

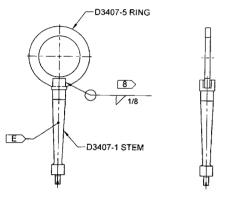
Measured by:	Audited by:	B.A	Prototype Approval:	N/A
Date: (()2/20	Date:	11/07/21	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	06.09.19	New Issue	KJ/JLM	
В	07.07.18	Tolerances for diameters updated per Machinists	KJ/JLM	
С	08.05.14	Dimensions updated per Dwg Rev D	KJ/JLM , ,	
D	08.10.07	Dimensions updated per Dwg Rev E	KJ/DD 🖈	1

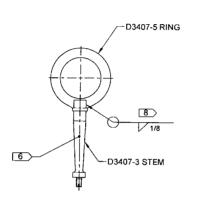
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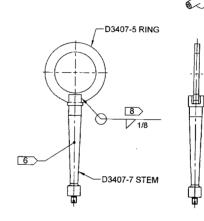
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	T	Description of NC		Corrective Action ,Section B	Verification	Approval	Approval
DATE	ATE STEP	Section A	Initial Chief Eng	Action Description Sign & Date	Section C	Chief Eng	QC Inspecto
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QTY 041	QTY -043	QTY -045	PART NUMBER	DESCRIPTION
X			D3407-041	TOW RING
	Х		D3407-043	TOW RING
		X	D3407-045	TOW RING
1			D3407-1	STEM
	1		D3407-3	STEM
1	1	1	D3407-5	RING
		1	D3407-7	STEM



С





D3407-041 TOW RING

D3407-043 TOW RING

D3407-045 TOW RING ♠

DESIG	DAKI AEROSPACE USA, INC.				, INC.
REV.	DESCRIPTION				DATE
A	NEW IS		ÇP	05.03.16	
В		DIAMETER, TH	CP	05.06.17	
С	 	NGER FOR FIT	CP	05.09.09	
٥	FLAT OI B6-4); R	/-3 SLOT WAS F 3407-5 (ZN C2-2 N ONE END FOR EASON: PRODU	РН	08.04.07	
Е	ADD D3 REVISE REASOI	407-045 (ZN B2- D NOTE 6 TO A N: PRODUCTION	РН	08.07.23	

DRAWING NO. CHECKED REV. E D3407 MFG. APPR. SHEET 1 OF 5 APPROVED TITLE SCALE **TOW RING** DE APPR. NTS DATE 08.07.23

COPYRIGHT © 2005 BY DART AEROSPACE USA, INC.

1945 DOCUMENT S PRIMTE AND CONFORTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS

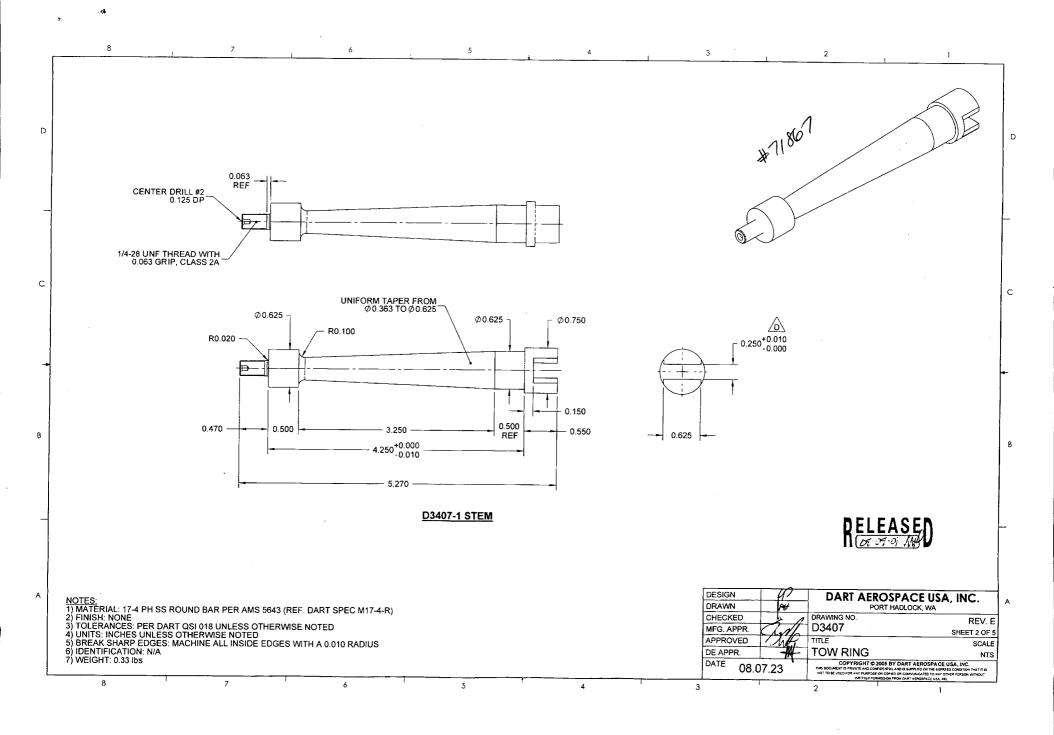
NOT TO BE USED FOR ANY PURPOSE OR COMPANIENCE TO ANY OTHER REPSON WITHOUT

NOTES:
1) MATERIAL: N/A
2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3 (EXCEPT THREADS)
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

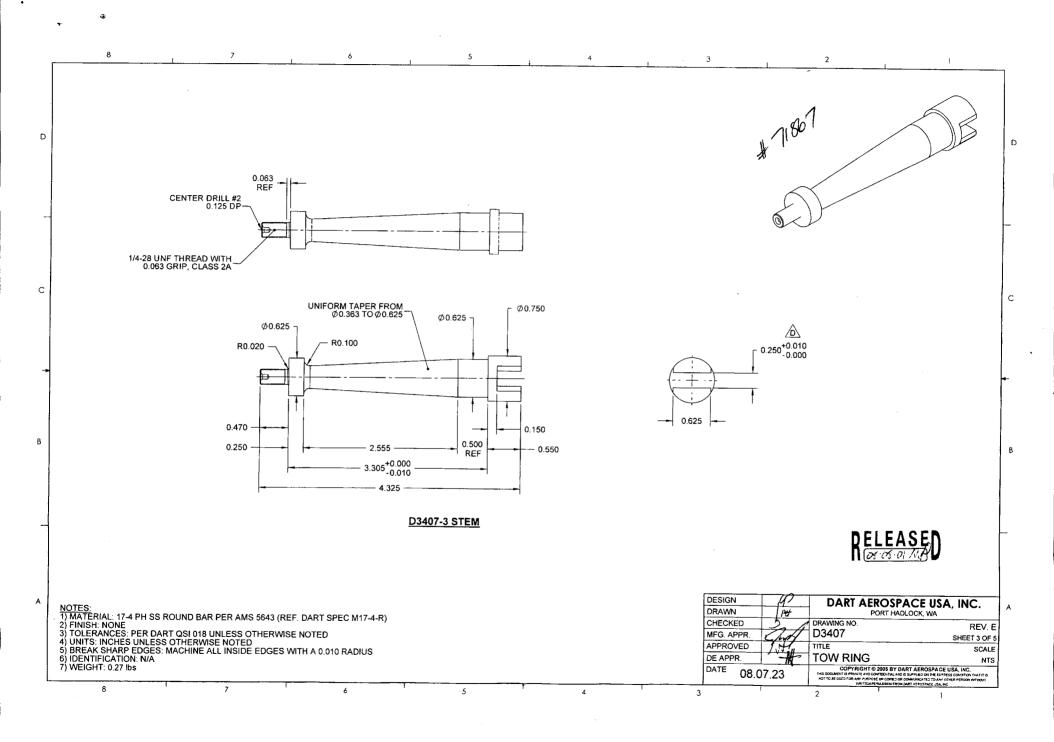
8

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3407-XXX" USING BLACK FINE POINT PERMANENT INK MARKER
7) WEIGHT: D3407-041 - 0.60 lbs, D3407-043 - 0.53 lbs, D3407-045 - 0.61 lbs
8) WELD PER DART QSI 004 ON ALL EDGES BETWEEN STEM AND RING

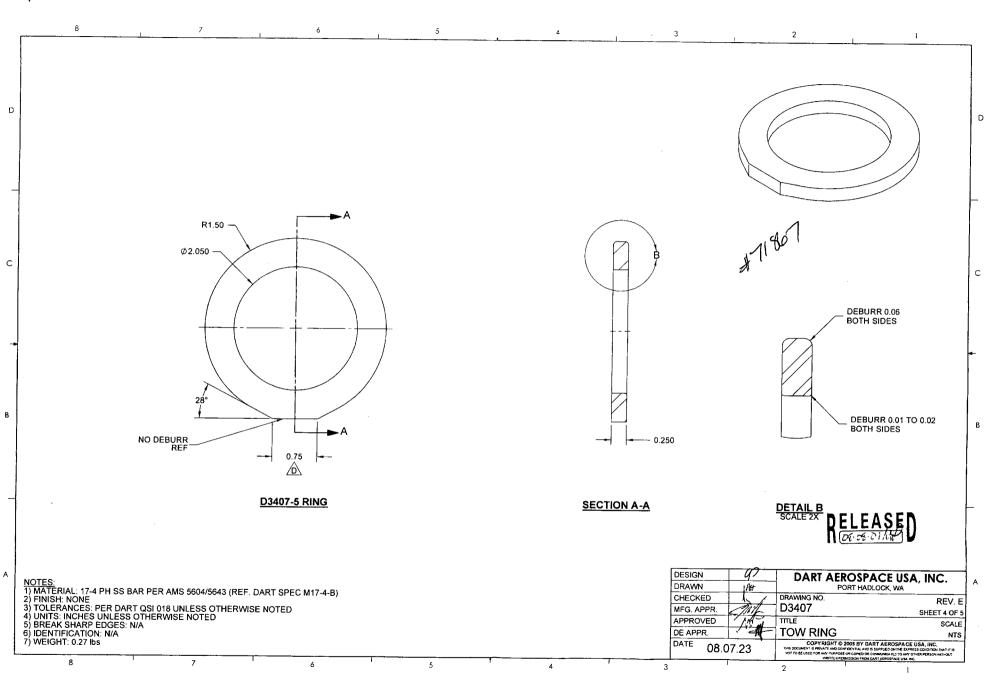
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Part No: PAR #:									
Resolution:			Disposition: QA: N/C Closed: Date:						
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DATE	STEP	Description of NC	Initial	ion B Sign 8		fication Approval			
		Section A	Chief Eng	Action Description Chief Eng	Date	Secti	ion C	Chief Eng	QC inspector
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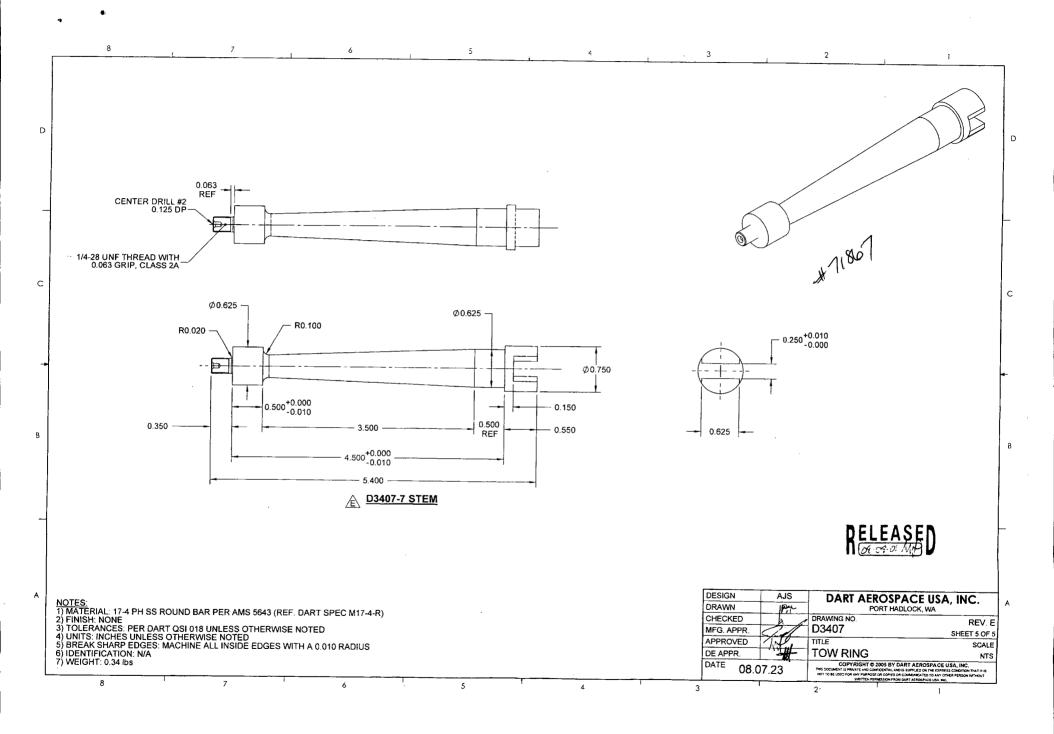
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Part No:P		PAR #:	Fault Categ	ory:	NCR: Yes	No DQ	A:	Date:			
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NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCF	R)		,			
DATE	STEP	Description of NC	<u> </u>		Section B Verifi			cation Approval			
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Secti		Chief Eng	Approval QC inspector		
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DATE	STEP	Description of NC		tion B	Verific	cation	ion Approval	Approval	
	JOIL!	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		on C	Chief Eng	QC Inspector
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Resolution:			_ Disposition:		QA: N/C Closed: Date:						
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DATE	STEP	Description of NC	Co	prrective Action Section B Action Description	3 Sign	Verific		Approval	Approval		
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